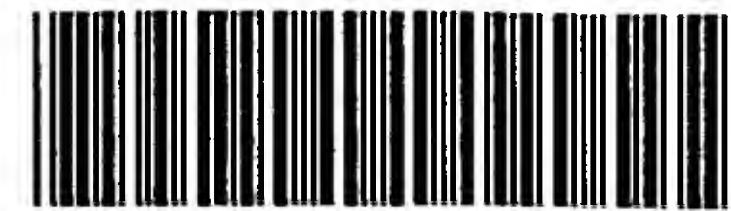


RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/566,954
Source: TFWP
Date Processed by STIC: 02/14/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/566,954

DATE: 02/14/2006

TIME: 12:48:12

Input Set : F:\seq_listing_11548_003_999.txt
 Output Set: N:\CRF4\02142006\J566954.raw

3 <110> APPLICANT: Gustafsson, Claes
 4 Govindarajin, Sridhar
 5 Minshull, Jeremy Stephen
 7 <120> TITLE OF INVENTION: Systems and Methods for Antibody
 8 Engineering
 10 <130> FILE REFERENCE: 11548-03-999
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/566,954
 C--> 13 <141> CURRENT FILING DATE: 2006-01-31
 13 <150> PRIOR APPLICATION NUMBER: PCT/US04/24751
 14 <151> PRIOR FILING DATE: 2004-07-30
 16 <150> PRIOR APPLICATION NUMBER: 60/536,862
 17 <151> PRIOR FILING DATE: 2004-01-15
 19 <150> PRIOR APPLICATION NUMBER: 60/536,357
 20 <151> PRIOR FILING DATE: 2004-01-14
 22 <150> PRIOR APPLICATION NUMBER: 60/491,815
 23 <151> PRIOR FILING DATE: 2003-08-01
 25 <160> NUMBER OF SEQ ID NOS: 3
 27 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 29 <210> SEQ ID NO: 1
 30 <211> LENGTH: 20
 31 <212> TYPE: PRT
 32 <213> ORGANISM: E. Coli
 34 <220> FEATURE:
 35 <223> OTHER INFORMATION: E Coli Leader Peptide
 38 <400> SEQUENCE: 1
 39 Met Lys Lys Leu Leu Phe Ala Ile Pro Leu Val Val Pro Phe Tyr Ser
 40 1 5 10 15
 41 His Ser Thr Met
 42 20
 45 <210> SEQ ID NO: 2
 46 <211> LENGTH: 377
 47 <212> TYPE: PRT
 48 <213> ORGANISM: Tritirachium album Limber
 50 <220> FEATURE:
 51 <223> OTHER INFORMATION: Tritirachium album Limber proteinase K
 54 <400> SEQUENCE: 2
 55 Ala Pro Ala Val Glu Gln Arg Ser Glu Ala Ala Pro Leu Ile Glu Ala
 56 1 5 10 15
 57 Arg Gly Glu Met Val Ala Asn Lys Tyr Ile Val Lys Phe Lys Glu Gly
 58 20 25 30
 59 Ser Ala Leu Ser Ala Leu Asp Ala Ala Met Glu Lys Ile Ser Gly Lys
 60 35 40 45
 61 Pro Asp His Val Tyr Lys Asn Val Phe Ser Gly Phe Ala Ala Thr Leu

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/566,954

DATE: 02/14/2006
TIME: 12:48:12

Input Set : F:\seq_listing_11548_003_999.txt
Output Set: N:\CRF4\02142006\J566954.raw

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63 Asp Glu Asn Met Val Arg Val Leu Arg Ala His Pro Asp Val Glu Tyr
64 65           70          75          80
65 Ile Glu Gln Asp Ala Val Val Thr Ile Asn Ala Ala Gln Thr Asn Ala
66           85          90          95
67 Pro Trp Gly Leu Ala Arg Ile Ser Ser Thr Ser Pro Gly Thr Ser Thr
68           100         105         110
69 Tyr Tyr Tyr Asp Glu Ser Ala Gly Gln Gly Ser Cys Val Tyr Val Ile
70           115         120         125
71 Asp Thr Gly Ile Glu Ala Ser His Pro Glu Phe Glu Gly Arg Ala Gln
72           130         135         140
73 Met Val Lys Thr Tyr Tyr Ser Ser Arg Asp Gly Asn Gly His Gly
74 145           150         155         160
75 Thr His Cys Ala Gly Thr Val Gly Ser Arg Thr Tyr Gly Val Ala Lys
76           165         170         175
77 Lys Thr Gln Leu Phe Gly Val Lys Val Leu Asp Asp Asn Gly Ser Gly
78           180         185         190
79 Gln Tyr Ser Thr Ile Ile Ala Gly Met Asp Phe Val Ala Ser Asp Lys
80           195         200         205
81 Asn Asn Arg Asn Cys Pro Lys Gly Val Val Ala Ser Leu Ser Leu Gly
82           210         215         220
83 Gly Gly Tyr Ser Ser Val Asn Ser Ala Ala Arg Leu Gln Ser
84 225           230         235         240
85 Ser Gly Val Met Val Ala Val Ala Gly Asn Asn Asn Ala Asp Ala
86           245         250         255
87 Arg Asn Tyr Ser Pro Ala Ser Glu Pro Ser Val Cys Thr Val Gly Ala
88           260         265         270
89 Ser Asp Arg Tyr Asp Arg Arg Ser Ser Phe Ser Asn Tyr Gly Ser Val
90           275         280         285
91 Leu Asp Ile Phe Gly Pro Gly Thr Ser Ile Leu Ser Thr Trp Ile Gly
92           290         295         300
93 Gly Ser Thr Arg Ser Ile Ser Gly Thr Ser Met Ala Thr Pro His Val
94 305           310         315         320
95 Ala Gly Leu Ala Ala Tyr Leu Met Thr Leu Gly Lys Thr Thr Ala Ala
96           325         330         335
97 Ser Ala Cys Arg Tyr Ile Ala Asp Thr Ala Asn Lys Gly Asp Leu Ser
98           340         345         350
99 Asn Ile Pro Phe Gly Thr Val Asn Leu Leu Ala Tyr Asn Asn Tyr Gln
100          355         360         365
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105 <210> SEQ ID NO: 3
106 <211> LENGTH: 1193
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Artificial nucleic acid sequence encoding Tritirachium album
112     Limber proteinase K
115 <400> SEQUENCE: 3

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/566,954

DATE: 02/14/2006

TIME: 12:48:12

Input Set : F:\seq_listing_11548_003_999.txt
Output Set: N:\CRF4\02142006\J566954.raw

116 atgaaaaaaac tgctgttcgc gattccgctg gtgggtccgt tctatagcca tagcaccatg 60
117 gcaccggccg ttgaacagcg ttctgaagca gctcctatga ttgaggcacg tggtaaaatg 120
118 gtagcaaaca agtacatcgta gaagttcaag gagggttctg ctctgtctgc tctggatgct 180
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120 gcagcaactc tggacgagaa catggtccgt gtactgcgtg ctcatccaga cggtgaatac 300
121 atcgaacagg acgctgttgt tactatcaac gcggcacaga ctaacgcacc ttggggcttg 360
122 gcacgtattt cttctacttc cccgggtacg tctacttact actacgacga gtctgccgt 420
123 caaggttctt gcgtttacgt gatcgatacg ggcatcgagg cttctcatcc tgagttgaa 480
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126 ttccggcgtta aagtgtcgga cgacaacggt tctggtcagt actccaccat tatcgccgg 660
127 atggatttcg tagcgagcga taaaaacaac cgcaactgcc cgaaagggtgt tgtggcttct 720
128 ctgtctctgg gtgggtgtta ctccctttct gttaacagcg cagctgcacg tctgcaatct 780
129 tccgggtgtca tggtcgcagt agcagctggta aacaataacg ctgatgcacg caactactct 840
130 cctgcttagcg agccttctgt ttgcaccgtg ggtgcacatcg atcgatcgatc tcgtcgtagc 900
131 tccttcagca actatgggtc cgtcctggat atcttcggcc ctggtaacttc tatcctgtct 960
132 acctggattg gcggtagcac tcgttccatt tccggtaacg gcatggctac tccacatgtt 1020
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135 ctgctggcat acaacaacta tcaggctgtc gaccatcatc atcatcatca tag 1193

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/566,954

DATE: 02/14/2006

TIME: 12:48:13

Input Set : F:\seq_listing_11548_003_999.txt
Output Set: N:\CRF4\02142006\J566954.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date